



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 121419**

**TO: Minh-Tam Davis**  
**Location: rem/3a24/3c18**  
**Art Unit: 1642**  
**Monday, May 10, 2004**  
**Case Serial Number: 09/996529**

**From: Paul Schulwitz**  
**Location: Biotech-Chem Library**  
**REM-1A65**  
**Phone: (571)272-2527**

**paul.schulwitz@uspto.gov**

### **Search Notes**

Examiner Davis,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz  
Technical Information Specialist  
STIC Biotech/Chem Library  
(571)272-2527

STIC-Biotech/ChemLib

121419

From: Davis, Minh-Tam  
Sent: Thursday, May 06, 2004 1:11 PM  
To: STIC-Biotech/ChemLib  
Subject: Search request for 09/996529

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MAY - 6 2004  
STIC-BIOTECH/CHEM-LIB  
(STIC)

Please search in commercial database, issued patent files, PGPUB, and interference:

- 1) Accession number **X77956**
- 2) Accession number **X69111**.

Thank you.  
MINH TAM DAVIS  
ART UNIT 1642,  
ROOM 3A24, MB 3C18  
272-0830

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: 3/10  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

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? S ID1 or id(w)1
Processing
Processing
      702 ID1
      73715 ID
      12266746 1
      796 ID(W)1
S1      1450 ID1 OR ID(W)1
? s prostate
      S2 167587 PROSTATE
? s s1 and s2
      1450 S1
      167587 S2
S3      61 S1 AND S2
? s cancer or adenocarcinoma or tumor
      1317567 CANCER
      185058 ADENOCARCINOMA
      1424320 TUMOR
S4 2387237 CANCER OR ADENOCARCINOMA OR TUMOR
? s s3 and s4
      61 S3
      2387237 S4
S5      52 S3 AND S4
? s s5 and py<=2000
Processing
Processing
      52 S5
      38072321 PY<=2000
S6      1 S5 AND PY<=2000
? t s6/3,k,ab/1

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6/3,K,AB/1 (Item 1 from file: 34)  
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2004 Inst for Sci Info. All rts. reserv.

09059939 Genuine Article#: 362HG Number of References: 50  
 Title: A putative oncogenic role for MPP11 in head and neck squamous cell  
**cancer** (ABSTRACT AVAILABLE)  
 Author(s): Resto VA; Caballero OL; Buta MR; Westra WH; Wu L; Westendorf JM;  
 Jen J; Hieter P; Sidransky D (REPRINT)  
 Corporate Source: JOHNS HOPKINS UNIV,SCH MED, DEPT OTOLARYNGOL HEAD & NECK  
 SURG, DIV HEAD & NECK CANC RES/BALTIMORE//MD/21206 (REPRINT); JOHNS  
 HOPKINS UNIV,SCH MED, DEPT OTOLARYNGOL HEAD & NECK SURG, DIV HEAD &  
 NECK CANC RES/BALTIMORE//MD/21206; JOHNS HOPKINS UNIV,SCH MED, DEPT MOL  
 BIOL & GENET/BALTIMORE//MD/21205; JOHNS HOPKINS UNIV,SCH MED, DEPT  
 PATHOL/BALTIMORE//MD/21205; JOHNS HOPKINS UNIV,SCH MED, DEPT  
 ONCOL/BALTIMORE//MD/21205; STANFORD UNIV,SCH MED, DEPT MOL  
 PHARMACOL/STANFORD//CA/94305; UNIV BRITISH COLUMBIA,CTR MOL MED &  
 THERAPEUT/VANCOUVER/BC V5Z 4H4/CANADA/  
 Journal: CANCER RESEARCH, 2000, V60, N19 (OCT 1), P5529-5535  
 ISSN: 0008-5472 Publication date: 20001001  
 Publisher: AMER ASSOC CANCER RESEARCH, PO BOX 11806, BIRMINGHAM, AL 35202  
 Language: English Document Type: ARTICLE  
 Abstract: Genetic alterations of chromosome 7 are common in human  
**cancer**. Furthermore, previous studies have supported the presence  
 of a gene important in a broad range of cancers at 7q22-31.1. There is  
 evidence that supports an oncogenic function for this putative gene, as  
 well as evidence that supports a **tumor** suppressive role. In this  
 study, we used a cross-species candidate gene approach in combination  
 with physical mapping to identify MPP11 as a candidate for the putative  
**cancer**-related activity at 7q22-31.1. We then analyzed primary  
 head and neck squamous cell tumors (HNSCCs) for loss of  
 heterozygosity/allelic imbalance (LOH/AI) at the MPP11 genomic locus.

Thirty-eight percent of tumors examined displayed LOH/AI involving the MPP11 genomic locus. Mutation analysis of MPP11 in the latter samples did not identify any inactivating mutations, However, immunohistochemical staining of primary **tumor** sections and Western blot analysis of HNSCC cell lines revealed a **tumor**-specific high level of expression of MPP11p, Fluorescence in situ hybridization analysis done on the cell lines identified increased chromosome 7 copy number with a concomitant increase in MPP11 copy number. These results suggest an oncogenic role for MPP11 in HNSCC.

Title: A putative oncogenic role for MPP11 in head and neck squamous cell **cancer**  
, 2000

Abstract: Genetic alterations of chromosome 7 are common in human **cancer**. Furthermore, previous studies have supported the presence of a gene important in a broad range...

...supports an oncogenic function for this putative gene, as well as evidence that supports a **tumor** suppressive role. In this study, we used a cross-species candidate gene approach in combination with physical mapping to identify MPP11 as a candidate for the putative **cancer**-related activity at 7q22-31.1. We then analyzed primary head and neck squamous cell...

...in the latter samples did not identify any inactivating mutations, However, immunohistochemical staining of primary **tumor** sections and Western blot analysis of HNSCC cell lines revealed a **tumor**-specific high level of expression of MPP11p, Fluorescence in situ hybridization analysis done on the...

...Identifiers--**TUMOR-SUPPRESSOR GENE**; **IN-SITU HYBRIDIZATION**; **HELIX PROTEIN ID-1**; **FREQUENT LOSS**; **SACCHAROMYCES-CEREVISIAE**; **PROSTATE-CANCER**; **BREAST-CANCER**; **PHYSICAL MAP**; **LONG ARM**; **IDENTIFICATION**

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? ds

Set	Items	Description
S1	1450	ID1 OR ID(W)1
S2	167587	PROSTATE
S3	61	S1 AND S2
S4	2387237	CANCER OR ADENOCARCINOMA OR TUMOR
S5	52	S3 AND S4
S6	1	S5 AND PY<=2000

? s id3 or id(w)3

	709	ID3
	73715	ID
	9806565	3

	271	ID(W)3
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S7	958	ID3 OR ID(W)3
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? s s7 and s2

	958	S7
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	167587	S2
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S8	8	S7 AND S2
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? rd

>>>Duplicate detection is not supported for File 340.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S9	8	RD (unique items)
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? s s9 and py<=2000

Processing

	8	S9
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	38072321	PY<=2000
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S10	0	S9 AND PY<=2000
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